# INDEX TO VOLUME IV

## AUTHORS INDEX

In this index following the author's name the full title of the subject is given as it appears in the Journal. Editorials are also included in the list and are indicated by (E).


A

ALDRICH, T. B. On the detection of small quantities of trichlorotertiary butyl alcohol (Chloretone) in the fluids and tissues of the animal body, 425

B

BAESLACK, FRED W. Drawing for autopsy table constructed by enlisted men from "left over" lumber, 355

BLANNER, J. E. On the detection of chloretone in mother's milk, 501

BOYD, J. D. An apparatus for the quantitative determination of urobilin and urobilinogen, 495

BOYD, WILLIAM. Acute adrenal insufficiency, 133

BREWER, I. W. Report of epidemic of "Spanish Influenza" which occurred at Camp A. A. Humphreys, Va., during September and October, 1918, 87

BRODERS, ALBERT C. (*See* MacCarty & Broders), 687

BROWN, PHILIP W. (*See* Farrington, Lewis, and Brown), 635

BRUCE, W. J. A modified Hecht-Gradwohl test for the serum diagnosis of syphilis, 215

C

CALLARY, C. N. A modification of the Wassermann test, 140

CHILLINGWORTH, FELIX P., and HOPKINS, RALPH. Physiologic changes produced by variations in lung distention, 555

CLOUGH, HARRY D. (*See* Wiggers and Clough), 624

CORNWALL, LEON H. (*See* Larkin and Cornwall), 352, 571

D

DARNALL, C. R. Concerning medical manuscripts by medical officers (E), 464

DAVIS, EDWARD P. Influenza epidemic (E), 85

E

ERVIN, DWIGHT M. Relation of the pancreas to the diabetic state, 711

EGERER, GRETE. Picramic acid as a standard in colorimetric determination of nitrogen by Nessler's method, 439

F

FARRINGTON, PAUL R., LEWIS, ROBERT C., and BROWN, PHILIP W. An edestin method for the estimation of pepsin in stomach contents, 635

FELBERBAUM, DAVID. A simplified technic of applying the electrodes in electrocardiography, 497

FERRY, N. S. (*See* Houghton and Ferry), 492

FISKE, C. H. Note on methods for preparing isoamyl isovalerate; a satisfactory substance to prevent foaming, 865

FLEISHER, MOYER S., and HAMILTON, C. D. Some notes concerning hemolytic streptococcus infection, 347

FORD, FRANCIS. (*See* Egerer and Ford), 439

G

GARBAT, A. L. A simple distilling apparatus, 221

—. A simple shaking apparatus, 355

GAUCHAT, P. C. (*See* Hanzlik, Scott, and Gauchat), 112

GIFFIN, H. Z., and SANFORD, A. H. Clinical observations concerning the fragility of erythrocytes, 465

GOODPASTURE, ERNEST W. A peroxidase reaction with sodium nitroprusside and benzidine in blood smears and tissues, 442

GOSLINE, H. I. The role of tuberculosis in dementia precox, 186, 397

GUILD, STACY R. War deafness and its prevention, 153

H

HAMILTON, C. D. (*See* Fleisher and Hamilton), 347

HAMILTON, HERBERT C. The comparative values of some local anesthetics, 60

HANZLIK, PAUL J., SCOTT, R. W., and GAUCHAT, P. C. The salicylates. X. The specificity of salicylate in rheumatic fever, 112

HASKINS, HOWARD D. Modifications of Henderson's method of estimation of the hydrogen-ion concentration of urine, 363
HEINEKAMP, W. J. R. (*See* McGuigan and Heinekamp), 491
HERRERA, ALPHONSO L. Some studies in plasmogenesis, 479
HERRMANN, GEORGE R. The clinical pathology of mustard gas (Dichlorethyl-sulphide) poisoning, 1
—. (*See* Warthin, Weller, and Herrmann), 785, 833
HIGGINS, JOHN A. A modified portable artificial respiration outfit, 737
—. A method for making glass arterial cannulas, 700.
—. A new type of adjustable screw clamp, 81
—. A type of continuous threaded aneurysm needle, 453
—. A type of simple key for laboratory use, 360
—. A type of stethoscope receiving bowl for use in the teaching of medical students, 450
—. A type of stimulating electrode, 361
—. An adjustable trachea cannula, 77
HIRSCHFELDER, A. D. (*See* Moore and Hirschfelder), 707
HOPKINS, RALPH. (*See* Chillingworth and Hopkins), 555
HOUGHTON, E. M., and FERRY, N. S. Sedimenting suspension of live bacteria on a large scale, 492

J

JACKSON, DENNIS E. Some new apparatus—A combination tambour and membrane manometer and a modified spring manometer, 695
KELLERT, ELLIS. Cocaine poisoning. Report of a case with necropsy, 129
KOTZ, A. L. The recent epidemic of influenza and bronchopneumonia at the Eastern Hospital, Easton, Pa., 424

L

LACY, G. R. The bacillus influenzæ in sinusitis and meningitis, 55
LAMB, FREDERICK H. Epidemic cerebrospinal meningitis at Camp Cody, 387
LANG, R. S. (*See* Macleod and Lang), 564
LARKIN, JOHN H., CORNWALL, LEON H., and LEVY, I. J. Technic for the Wassermann reaction, 571
— and —. The spinal fluid in epilepsy: a preliminary report, 352
LEIDY, JOSEPH. Modification of Gram's stain for positive bacteria, 354
LEVY, I. J. (*See* Larkin, Cornwall, and Levy), 571
LEWIS, ROBERT C. (*See* Farrington, Brown, and Lewis), 635
LUDEN, GEORGINE. Studies on cholesterol. V. The blood cholesterol in malignant disease and the effect of radium on the blood cholesterol, 849
—. Studies on cholesterol. VI. The value of blood cholesterol determinations and their place in cancer research, 719

M

MACLEOD, J. J. R. Simplified gas analysis, 69
—. The diagnosis of acidosis. A review and criticism of the methods at present in use, 315
— and LANG, R. S. Simplified gas analysis, 564
MACCANN, ROSS J. The use of flocculeformation reactions to corroborate the Wassermann test, 742
MACCARTY, WM. C., and BRODERS, ALBERT C. The role of the pathologist in the practice of medicine, 687
MANN, F. C. A method for preserving a sharp scalpel in experimental surgery, 578
—. Turkish wash cloths for packs in experimental surgery, 639
MCGUIGAN, HUGH, and HEINEKAMP, W. J. R. A simple method for the preparation of a spinal animal, 491
MELLON, RALPH R. An apparatus for volumetric sodium hydrate, 569
MICKLE, F. L., and SHERWOOD, M. B. Experiences in the purchase of basic fuchsin, 698
MOORE, W., and HIRSCHFELDER, A. D. An experimental study upon the impregnation of cloth with pediculicide substances, 707
MORGULIS, S. A simple automatic key for use in the student physiologic laboratory, 358
OPPENHEIM, C. J. (*See* Robinson and Oppenheim), 448

P

PALMER, GEORGE T. (*See* Vaughan and Palmer), 467, 587
PEARCE, ROY G. The catalytic power of blood and solid tissues, 510
—. The mechanism of renal excretion, 457
PENNELL, ELISABETTA C. Notes on the Isaacson method for estimating glucose, 736

R

RAPPLEYE, W. C. Notes on the effect of intravenous diarsenol, 630
RICHARDSON, RUSSELL. Types of pneumococcus in lobar pneumonia, 484
RIEGER, JOHN B. Notes on the decomposition of arsphenamine, 181
ROBINSON, G. M., and OPPENHEIM, C. J. New methods for preserving soybean urease, 448

ROGOFF, J. M. (*See* Stewart and Rogoff), 73

ROHDENBURG, G. L. Benign tumors of the intestine, with a report of nine additional cases, 434

ROOS, LESTER. (*See* Warthin, Weller, Herrmann and Roos), 833

ROTH, GEORGE B. A combined measuring and injecting pipette, 369

S

SANDERS, WILLIAM E. The nature of the lymphocytosis of acute infections, 344

SANFORD, A. H. (*See* Giffin and Sanford), 465

SCOTT, R. W. (*See* Hanzlik, Gauchat, and Scott), 112

SHERWOOD, M. B. (*See* Mickle and Sherwood), 698

SMITH, N. R. Organ extracts, 517

SOUTHARD, E. E. Diagnosis per exclusionem in ordine: General and psychiatric remarks, 31

STAFFORD, C. M. Encephalitis lethargica, 691

STEINFIELD, EDWARD. A lead peroxide reaction with spinal fluid, 445

STEVENSON, HOLLAND N. Method for obtaining mouse blood, 353

STEWART, G. N., and ROGOFF, J. M. A contribution to the technic of artificial respiration in man, 73

T

TABER, LOREN B. A convenient dilution chart of use in serologic and other tests in which varying quantities of reagents are employed, 138

V

VAUGHAN, VICTOR C. An addition to our editorial staff, 706

—. Communicable disease in the United States Army during the summer and autumn of 1918, 467, 587, 677

—. Encephalitis lethargica, 381

—. Hand to mouth infection (*E*), 375

—. Influenza and pneumonia at Brest, France (*E*), 223

—. Influenza and pneumonia at Camp Grant (*E*), 307

—. Influenza in Camp Custer (*E*), 225

—. Medical education in Great Britain, 370

—. Notes on Influenza (*E*), 145, 309

—. Pathology of the pneumonia in the United States Army camps during the winter of 1917-18 (*E*), 745

—. Ravages of the influenza epidemic (*E*), 148

—. The bacteriologic examination of suspected typhoids (*E*), 640

—. The bacteriology of influenza (*E*), 83

—. The influenza in Germany (*E*), 142

—. The Michigan State Board of Health (*E*), 504

—. The negro population (*E*), 579

—. The pneumonias (*E*), 149

—. The Red Cross as an international health agency (*E*), 702

—. The scientific research fund for study of venereal diseases (*E*), 645

—. The selective service act and its lessons (*E*), 511

VAUGHAN, WARREN T. Clinical manifestations of empyema, 123

W

WARTHIN, ALDRED SCOTT, and WELLER, CARL VERNON. The general pathology of mustard gas (Dichlorethylsulphide) poisoning, 265

— and —. The lesions of the respiratory and gastrointestinal tracts produced by mustard gas (Dichlorethylsulphide), 229

—, —, and HERRMANN. The ocular lesions produced by dichlorethylsulphide ("Mustard Gas"), 785

—, —, —, and ROOS, LESTER. The treatment of dichlorethylsulphide ("Mustard Gas") injuries, 833

WEBB, GERALD B. Pulmonary tuberculosis and postural treatment, 313

—. The human tubercle bacillus—Are there distinct types? (*E*), 378

WELLER, CARL VERNON. (*See* Warthin and Weller), 229, 265, 785, 833

WHEELER, MARY W. A simple method for determining the capacity of "To Contain" pipettes, 498

WIGGERS, CARL J. A physiologic investigation into the dynamic action of the heart in functional cardiac disorders, 624

WOOLLEY, PAUL G. Acute infectious jaundice, 462

—. Encephalitis lethargica (*E*), 456

—. Shock (*E*), 750

—. The epidemic of influenza at Camp Devens, Mass., 330

—. The toxin of bacillus influenzæ (*E*), 377

—. Transmission of influenza (*E*), 372

# SUBJECT INDEX


A

Acid excretion by the kidney, method for measuring, 327
Acidity of urine, suggestions of a new way of expressing, for clinical purposes, 368
Acidosis, diagnosis of, 315
Acute infectious jaundice, 462
Adenoma of rectum, 438
Adjustable abduction arm splint for use in base hospitals, 867
Adjustable screw clamp, a new type of, 81
Adjustable trachea cannula, 77
Adrenal insufficiency, acute, 133
Alcoholic and water extracts, comparison of, 535
Alkaline reserve of the blood, the $CO_2$-combining power of the, 568
Alkaline solutions, reactions of, may be expressed in terms of H-ion concentration, 318
Alveolar air, measuring $CO_2$ in the, 321
American Red Cross at the front, 866
Amino group, oxidation at the, 183
Anesthesia, local, comparative values of, 60
  motor nerve, 61
  surface, 63
Aneurysm needle, a type of continuous threaded, 453
Antityphoid vaccination reactions, the relation of influenza and, 313
Apparatus, a simple distilling, 221
  a simple shaking, 355
  for gas analysis, 69
  for volumetric sodium hydrate, 569
Army, communicable disease in the, 587, 647
  death and disease in the, 599
Arseno group, oxidation at the, 182
Arsphenamine, commercial, reactions with, 183
  notes on the decomposition of, 181
  reduction of, 183
  solution, preparation of, 184
Arterial cannulas, glass, a method for making, 700
Artificial respiration in man, a contribution to the technic of, 73
Artificial respiration outfit, a modified portable, 737
Automatic key for use in the student physiologic laboratory, 358
Autopsy table constructed by enlisted men from "left over" lumber, 355

B

Bacillus influenzæ in sinusitis and meningitis, 55
  the toxin of, 377
Bacillus pestis, baccillus resembling, 424
Bacteria, live, sedimenting of, on a large scale, 492
Bacteriologic examination of suspected typhoids, 640
Bacteriology of influenza, 83
Barometer, 565
Basic fuchsin, experiences in the purchase of, 698
Benign tumors of the intestine, 434
Blood and solid tissues, catalytic power of, 510
Blood cholesterol, advantage of parallel determinations with Bloor I and II methods, 851
  determinations, chart for, 731
  value of, and their place in cancer research, 719
  effect of administration of thyroid hormone in myxedema, 859
  effect of radium in, 849
  factors that influence, 724
  in malignant disease, 849
  reduction of Bloor I values and increase of Bloor II values under radium treatment, 856
  values in patients suffering from carcinoma, 855
  values with Bloor I method, 854
  urea in mustard gas poisoning, 26
  urea nitrogen, effect of intravenous diarsenol on, 631
Bronchopneumonia and influenza at Easton Hospital, epidemic of, 424
Buffer action of blood, 320

C

Camp Custer, influenza at, 225
Camp Devens, epidemic of influenza at, 330
Camp Grant, influenza and pneumonia at, 307
Camp Humphreys, report of epidemic of Spanish influenza which occurred at, 89
Cancer research, value of blood cholesterol determinations and their place in, 719
Cannula, trachea, adjustable, 77
Cannulas, glass arterial, a method for making, 700
Carcinoma, blood cholesterol values in patients suffering from, 855
Catalytic power of blood and solid tissues, 510
Cerebrospinal meningitis at Camp Cody, epidemic, 387
Chloretone in mother's milk, on the detection of, 501
  in the fluids and tissues of the animal body, 424
Cholesterol determinations, importance of a uniform technic in, 721
  intake, the source of, 722
  metabolism, practical results to be expected in cancer research from the study of, 726
  nature of the test for, 720
  studies on, 719, 849
  values found in human blood, 853

Circulation and respiration in rheumatic fever, 116
Clinical manifestations of empyema, 123
observations of gastrointestinal lesions produced by mustard gas, 263
pathology of mustard gas poisoning, 1
$Co_2$-combining power of the alkaline reserve of the blood, 568
Cocaine poisoning, 129
Colored organizations, incidence of influenza in, 99
Commercial arsphenamine, reactions with, 183
Communicable disease in the U. S. Army during the summer and autumn of 1918, 588, 647
Complications of mustard gas injuries, 847
Conjunctiva, changes in, due to mustard gas, 819
Conjunctivitis, mild, due to mustard gas, treatment of, 844
Cornea, changes in, due to mustard gas, 819
Cryptic empyema, 124

D

Dakin's saline solution in treatment of mustard gas injuries, 838
Deafness, war, and its prevention, 153
Death and disease in the army as a whole, 599
Death rates of army and civilian males, comparison of, 604
all causes, in army camps, 648
Decomposition of arsphenamine, 181
Dementia precox, role of tuberculosis in, 186, 397
Diabetic state, relation of the pancreas to the, 711
Diagnosis by expectation, 45
by inspection, 45
ex juvantibus, 46
ex nocentibus, 46
of acidosis, 315
per exclusionem in ordine, general and psychiatric remarks, 31
Diarsenol, intravenous, notes on the effect of, 630
Dichlorethylsulphide, (*see* Mustard Gas)
ocular lesions produced by, 785
subcutaneous injection and ingestion of, in relation to ocular lesions, 796
vapor, exposure to, 813
Dilution chart of use in serologic and other tests, 138
Diphtheria in the army, 673
Dissociation curve for oxygen and the $CO_2$-combining power of blood, 565
Distilling apparatus, a simple, 221
Dysentery in the army, 617

E

Edestin method for the estimation of pepsin in stomach contents, 634
Edestin, preparation of, 635
Electrocardiography, a simplified technic of applying the electrodes in, 497
Electrode, stimulating, 361
Electrodes, a simplified technic of applying, in electrocardiography, 497
Electrolysis in relation to acidosis, 317
Empyema, clinical manifestations of, 123
cryptic, 124
interlobar, 126
latent, 127
massive, 125
polylocular, 127
precocious, 124
x-ray, usefulness of, 127
Encephalitis lethargica, 381, 456, 691
Epidemic cerebrospinal meningitis at Camp Cody, 387
influenza, 85
of influenza and bronchopneumonia at the Easton Hospital, 424
at Camp Devens, Mass., 330
of Spanish influenza which occurred at Camp Humphreys, 89
periods at Camp Beauregard, 595
Epilepsy, spinal fluid in, 352
Erythrocytes, clinical observation concerning the fragility of, 465
fragility of, in chronic obstructive jaundice, 476
in myelocytic and lymphocytic leucemia, 472
in pernicious anemia, 473
in splenic anemia, 473
tests in hemolytic jaundice, 470, 471
Eye, experimental dichlorethylsulphide lesions of the, 788
Eyes, showing secondary infections after exposure to mustard gas, 818

F

Fatigue, effect of, on organ extracts, 530
Feces in mustard gas poisoning, 27
Feeding mustard gas for experimental purposes, 259
Fibroma of rat intestine, 435
Floccule-formation reactions to corroborate the Wassermann test, 742
Fluorescein test, 797
Fragility of erythrocytes, clinical observations concerning, 465
test for, 466
Fuchsin, basic, experiences in the purchase of, 698
Functional cardiac disorders, a physiologic investigation into the dynamic action of the heart in, 624

G

Gas analysis, simplified, 69, 564
Gastrointestinal lesions in gassed animals, 262
produced by mustard gas, 258
General pathology of mustard gas poisoning, 264
Germany, influenza in, 142
Glucose, notes on Isaacson method for estimating, 736
Glycogenic function of the pancreas, animal experiments upon the, 714
Gram's stain for positive bacteria, modification of, 355
Great Britain, medical education in, 370

H

Hand to mouth infection, 375
Hecht-Gradwohl test for the serum diagnosis of syphilis, a modified, 215
Hemolytic jaundice, fragility of erythrocytes in, 471
streptococci and measles, relation between, 350
streptococcus infection, notes concerning, 346
Henderson's method of estimation of the H-ion concentration of urine, 363
H-ion concentration, reaction of alkaline solutions may be expressed in terms of, 318
Housing of the troops at Camp Humphreys, 101
Human tubercle bacillus, 378
Hydrochloric acid, intravenous injection of, 287
subcutaneous injection of, 284

I

Infection, hand to mouth, 375
hemolytic streptococcus, some notes concerning, 347
Infections, acute, nature of the lymphocytosis of, 344
jaundice, acute, 462
Influenza and bronchopneumonia at Easton Hospital, epidemic of, 424
and pneumonia at Brest, France, 223
at Camp Grant, 307
bacteriology of, 83
complications of, with pneumonia, 104
dish washing and, 104
epidemic, 85
epidemic at Camp Devens, Mass., 330
ravages of, 148
in Camp Custer, 225
in Germany, 142
incidence of, in colored organizations, 99
notes on, 145, 309
relation of, and antityphoid vaccination reactions, 313
transmission of, 372
Interlobar empyema, 126
International health agency, Red Cross as an, 702
Intestine, benign tumors of the, 434
Intracutaneous method of administration of local anesthesia, 65
Intravenous diarsenol, effect of, on blood urea nitrogen, 631
effect of, on kidney function, 633
notes on the effect of, 630
injection of hydrochloric acid, 287
Isaacson method for estimating glucose, notes on, 736
Isoamyl isovalerate, a satisfactory substance to prevent foaming, note on methods of preparing, 865

J

Jaundice, acute infectious, 462
chronic obstructive, fragility of erythrocytes, 476
Joint symptoms in rheumatic fever, 115
Juxtamediastinal pus, 126

K

Ketosis, 317
Key, automatic, for use in student physiologic laboratory, 358
Key for laboratory use, 360
Kidney function, effect of intravenous diarsenol on, 633

L

Labyrinths of the animals used in testing of preventive measures, 153
Latent empyema, 127
Lead peroxide reaction with spinal fluid, 445
Lesions of the respiratory and gastrointestinal tracts produced by mustard gas, 229
Lethargic encephalitis, 381, 456, 691
Leucemia, myelocytic and lymphocytic, fragility of erythrocytes in, 472
Lice, problems of freeing soldiers of, 707
Lobar pneumonia, types of pneumococcus in, 484
Local anesthesia, comparative values of, 60
Lung distention, physiologic changes produced by variations in, 555
Lymphocytosis of acute infections, 344

M

Malaria in the army, 618, 668
Malignant disease, blood cholesterol in, 849
Manometer and gas bottle, differential, 566
Manometer, spring, a modified, 695
Massive empyema, 125
Measles and hemolytic streptococci, relation between, 350
in the army, 620, 654
Mechanism by which neutrality is maintained in the organism, 319
of renal excretion, 457
Medical education in Great Britain, 370
follow-up treatment in empyema, 128
manuscripts by medical officers, 464
Meningitis and sinusitis, bacillus influenzæ, 55
in the army, 621, 659, 660
Mental disease groups, 50
Method for obtaining mouse blood, 352
Michigan State Board of Health, 504
Microscopic pathology of mustard gas lesions, 799
Modification of Gram's stain for positive bacteria, 354
of the Wassermann test, 140
of Henderson's method of estimation of the hydrogen-ion concentration of urine, 363
Modified portable artificial respiration outfit, 737
Mother's milk, on the detection of chloretone in, 501
Motor nerve anesthesia, 61
Mouse blood, method for obtaining, 353
Mumps in the army, 677
Mustard gas, changes in orbital tissues due to, 819
clinical cases of ocular lesions, 820
gastrointestinal lesions produced by, 258

Mustard gas—Cont'd
injuries, complications of, 847
Dakin's solution in treatment of, 838
treatment, 833
investigation, final summary of, 301
liquid, direct application of, to eyes of dead animals, 818
microscopic pathology of ocular lesions, 799
ocular lesions, 785
treatment, 829
poisoning, blood urea in, 26
clinical pathology of, 1
feces in, 27
susceptibility, 299
the general pathology of, 265
urine in, 25
respiratory lesions produced by, 299
subcutaneous and intravenous injections of, general pathology resulting from, 273
vapor, exposure to, 795
Myoma of jejunum, 437

N

Needle, continuous threaded aneurysm, 453
Negro population, 579
Neutrality and phosphates, 542
Nitrogen, picramic acid as a standard in colorimetric determination of, 439

O

Ocular lesions due to mustard gas, treatment, 831
Ocular lesions produced by dichlorethylsulphide (mustard gas), 785
Orbital tissues, changes in, due to mustard gas, 819
Ordine, diagnosis per exclusionem in, 31
Organ extracts, 517
comparison of alcoholic and water extracts, 535
effect of boiling extracts, 542
of dialysis, 539
of fatigue on, 530
of freezing, 538
of inanition on, 531
extraction by ether, 532
extraction of dried tissue, 532
filtration of muscle extract through a Berkefeld, 542
inorganic material in tissue extracts, 534
method of testing toxicity, 525
quantity of material extracted from the tissues, 526
reaction of the, 528
Oxidation at the amino group, 183
at the arseno group, 182

P

Pancreas, glycogenic function of the, animal experiments upon, 714
relation of, to the diabetic state, 711
Panophthalmitis, relations of, to dichlorethylsulphide lesions, 796
Paratyphoid in the army, 617
Pathologist, role of the, in the practice of medicine, 687
Pathology, general, of mustard gas poisoning, 265
of pneumonia in the U. S. Army camps during the winter of, 1917-1918, 745
of respiratory lesions produced by mustard gas, 233
Pediculicide substance, an experimental study upon the impregnation of cloth with, 707
Pepsin in stomach contents, an edestin method for the estimation of, 635
method of determination, 636
Peroxidase reaction with sodium nitroprusside and benzidine in blood smears and tissues, 442
Pernicious anemia, fragility of erythrocytes in, 473
Picramic acid as a standard in colorimetric determination of nitrogen by Nessler's method, 439
Pipette, combined measuring and injecting, 369
Pipettes, "to contain," a method for determining the capacity of, 498
Phosphate salts, toxicity of pure, 544
Phosphates and neutrality, 543
Physiologic changes produced by variations in lung distention, 555
investigation into the dynamic action of the heart in functional cardiac disorders, 624
Plasmogenesis, some studies in, 479
Plethysmograph, body, and its application to the study of lung distention in relation to circulatory phenomena, 555
Pneumococcus, types of, in lobar pneumonia, 484
Pneumonia and influenza at Brest, France, 223
at Camp Grant, 306
at Camp Devens, 330
complications of influenza with, 104
in the army, 616, 682, 683
pathology of, in the U. S. Army camps during the winter of 1917-1918, 745
Pneumonias, the, 149
Poisoning, cocaine, 129
Polylocular empyema, 127
Polyserositis, suppurative, 126
Postural treatment for pulmonary tuberculosis, 313
Precocious empyema, 124
Pulmonary tuberculosis and postural treatment, 313
Pus, juxtamediastinal, 126

R

Radium, effect of, on blood cholesterol, 849
Ravages of the influenza epidemic, 148
Red cell fragility, effect of intravenous diarsenol on, 630
Red Cross, American, at the front, 866
as an international health agency, 702
why we should join, 151

Reduction of arsphenamine, 183
Renal excretion, mechanism of, 457
Respiratory lesions due to mustard gas, treatment of, 844
tract, lesions of the, produced by mustard gas, 229
Rheumatic fever, circulation and respiration in, 116
joint symptoms in, 117
temperature, 115
the specificity of salicylate in, 112
Role of tuberculosis in dementia precox, 186, 397
Rural and urban pneumonia deaths at Camp Devens, 341

S

Salicylate, specificity of, in rheumatic fever, 112
Scalpel, method for preserving a sharp, in experimental surgery, 578
Scarlet fever in the army, 622, 664, 666
Scientific reasearch fund for study of venereal diseases, 645
Screw clamp, a new type of adjustable, 81
Sedimenting suspension of live bacteria on a large scale, 492
Selective service act and its lessons, 511
Shaking apparatus, a simple, 355
Shock, 750
Simplified gas analysis, 69, 564
Sinusitis and meningitis, Bacillus influenzæ in, 55
Sleeping sickness, 381
Smear preparations, technic for, 443
Sodium bicarbonate in treatment of mustard gas injuries, 833
Sodium hydrate, an apparatus for volumetric, 569
Sodium nitroprusside and benzidine in blood smears and tissues, a peroxidase reaction with, 442
Soy-bean urease, new methods for preserving, 448
Spanish influenza, report of epidemic which occurred at Camp A. A. Humphreys, 89
Spinal animal, a simple method of preparing a, 491
fluid in epilepsy, 352
lead peroxide reaction with, 445
Splenic anemia, fragility of erythrocytes in, 473
Spring manometer, modified, 695
Stethoscope receiving bowl for use in the teaching of medical students, 450
Stimulating electrode, 361
Subcutaneous and intravenous injections of mustard gas, general pathology resulting from, 273
injection of dihydroxyethylsulphide, 284
of hydrochloric acid, 284
Suppurative polyserositis, 126
Surface anesthesia, 63
Susceptibility to mustard gas poisoning, 299
Syphilis, a modified Hecht-Gradwohl test for the serum diagnosis of, 215

T

Tambour and membrane manometer, combined, 695
Tampon action of blood, 320
Technic of artificial respiration in men, contributions to the, 73
of estimating the $P_H$ of urine, 366
of gas analysis, 71
Temperature in rheumatic fever, 115
Test for fragility of erythrocytes, 466
Tonometer, 565
Toxicity of organ extracts, method of testing, 525
of pure phosphate salts, 544
of rabbit muscle extract for rabbits, 545
of bacillus influenzæ, 377
Trachea cannula, adjustable, 77
Transmission of influenza, 372
Treatment of mustard gas injuries, 833
of ocular lesions due to mustard gas, 829
Trichlorotertiary butyl alcohol (chloretone) in the fluids and tissues of the animal body, 425
Tubercle bacillus, human, 378
Tuberculosis in dementia precox, role of, 186, 397
pulmonary, and postural treatment, 313
Tumors, benign, of the intestine, 434
Turkish wash cloths for packs in experimental surgery, 639
Typhoid fever in the army, 674
Typhoids, suspected, bacteriologic examination of, 640
Typhoid in the army, 617, 676

U

Urban and rural pneumonia deaths at Camp Devens, 341
Urine, in mustard gas poisoning, 25
urea in mustard gas poisoning, 25
Urobilin and urobilinogen, apparatus for quantitative determination of, 495
Urobilinogen and urobilin, an apparatus for quantitative determination of, 495
U. S. Interdepartmental Social Hygiene Board, 464

V

Venereal disease in the army, 619, 676

W

War deafness and its prevention, 153
Wassermann reaction, technic for the, 571
Wassermann test, a modification of the, 140
floccule-formation reactions to corroborate, 742

X

X-ray in empyema, 127